

To: Washington, John[Washington.John@epa.gov]
Cc: Strynar, Mark[Strynar.Mark@epa.gov]
From: Libelo, Laurence[/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=DA33642E6438407DAF4C35AFE870046B-LIBELO, LAURENCE]
Sent: Thur 12/6/2018 6:45:47 PM (UTC)
Subject: RE: % Linear for ECF PFNA
Benskin De Silva and Martin 2010 Isomer profiling of perfluorinated substances as a tool for source tracking a review of early findings and future applications.pdf

You might Amila. I think she has more recent info.

From: Washington, John
Sent: Thursday, December 06, 2018 10:39 AM
To: Libelo, Laurence <Libelo.Laurence@epa.gov>
Cc: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: % Linear for ECF PFNA

Hey Laurence,

On our New Jersey project, % linear/branch chains of PFNA has become an issue, perhaps intended as a distraction, but an issue nevertheless. Mark noticed the % linear was high (my frame of reference is marginally related ECF PFOA) and increased with increasing total PFNA concentration, and suggested perhaps calculating a linear PFNA addition to pre-existing ECF PFNA needed to achieve the high % linear.

Obviously this might be complicated by variable environmental mobilities (e.g., sorption coefficients) of the branches and linear isomers, but it might be one of our strongest benchmarks from which to build a conceptual model of what is going on.

I can find values for % linear PFOA easily, and I have measured substantial amounts of branched PFNA in the past. So I am suspecting that there must be some data on % linear/branched PFNA someplace . . . maybe even ranges of values? But in the quick keyword searches I have tried so far, no luck. Any ideas??? Also, am I mistaken in assuming branched PFNA is solely from ECF?

John